

## EPA-CPG Sediment Stability Meeting Agenda

4 February 2010 at 9:30 AM – 3:30 PM

**Location: Kirkpatrick & Lockhart, 10<sup>th</sup> Floor, One Newark Center, Newark, NJ**

*draft: 2 Feb 10*

### Participants:

Ray Basso (EPA), Stephanie Vaughn (EPA), Eugenia Naranjo (EPA), Alice Yeh (EPA), Tom Cozzi (NJDEP), Janine MacGregor (NJDEP), Ed Garvey (LB), Solomon Gbondo-Tugbawa (LB), Bruce Fidler (LB), Ed Garland (HQI), Roger Flood (SUNY), John Kern (Kern Inc), Rick Chappell (CDM), Rob Law (de maximis), John Connolly (QEA), Cliff Firstenberg (Tierra), Mike Barbara (mab), Marcia Greenblatt (AECOM), Han Winterwerp (Deltares), Bill Bergen (GBA), Doug Moore (GBA), John Headland (M&N), Rafa Canizares (M&N), Geoff Grubbs (C&M) and several CPG TC Members

### EPA Presentation

- I. Introduction & Overview
- II. Conditional Simulation Analysis
  - A. ID of unstable areas
  - B. Magnitude and probability of various erosional events
  - C. ID of stable areas
  - D. Integration of sediment movement over time (mass eroded/deposited per unit time)
- III. Conditional Simulation Techniques Explanation
- IV. Uncertainty Analysis
  - A. 2007 multi-beam geostatistical model (Kern/Tugbawa)
  - B. 2007 multi-beam to 2007 single beam comparison (Flood/Tugbawa)
  - C. 2007-2008 multibeam comparison (Flood)
  - D. Summary of Uncertainty Analysis
- V. Conclusions
- VI. Discussion

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### CPG Presentation

- I. CPG Presentation Overview (John Connolly, Anchor QEA)
- II. LPRSA Other Sediment Stability Lines of Evidence (Mike Barbara, mab)
  - A. Summary of LRC Program
  - B. Supporting Lines of Evidence
  - C. Vertical Cs-137 Profiles
  - D. Vertical Chemical Profiles
  - E. Evidence of Ongoing Burial
- III. LPRSA System Understanding – Fluvial Processes, Geomorphology and Sediment Transport (Han Winterwerp, Deltares)
- IV. LPRSA Bathymetric Surveys
  - A. Bathymetric Sediment Stability Tasks (John Headland, M&N)
  - B. Bathymetric Surveying Techniques & USACE Standards & Procedures (Bill Bergen, GBA)
  - C. CPG LPRSA Bathymetric Surveys – (Doug Moore, GBA)
  - D. Tierra 6 mile Study Area Bathymetric Surveys – (Cliff Firstenberg, Tierra)
- V. CPG Summary and Conclusions – (John Connolly AQEA)
- VI. Discussion